PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 04F052-PCT	FOR FURTHER ACTION	See Form PCT/IPEA/416				
International application No.	International filing date (day/mor	th/year) Priority date (day/month/year)				
PCT/JP2004/017932	02.12.2004	03.12.2003				
International Patent Classification (IPC) or national classification and IPC						
H01L21/205, C23C16/509						
Applicant						
TOKYO ELECTRON LIMITED						
	1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.					
2. This REPORT consists of a total of _	This REPORT consists of a total of sheets, including this cover sheet.					
3. This report is also accompanied by Al	3. This report is also accompanied by ANNEXES, comprising:					
a. (sent to the applicant and	a. (sent to the applicant and to the International Bureau) a total of sheets, as follows:					
sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or						
sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental						
	Box.					
b. (sent to the International I	b (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))					
related theyete in computer	, containing a sequence listing and/or tables					
related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).						
4. This report contains indications relation	ng to the following items:					
Box No. I Basis of the	Box No. I Basis of the report					
Box No. II Priority						
Box No. III Non-establi	shment of opinion with regard to n	ovelty, inventive step and industrial applicability				
Box No. IV Lack of unit	Box No. IV Lack of unity of invention					
DON THOS.	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI Certain doce	ertain documents cited					
Box No. VII Certain defe	defects in the international application					
Box No. VIII Certain obse	Box No. VIII Certain observations on the international application					
Date of submission of the demand	Date of cor	mpletion of this report				
		•				
Name and mailing address of the IPEA/JP	Authorized	Authorized officer				
Facsimile No.	Telephone	Telephone No.				

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/017932

Вох	No. I	Basis of the	report					
1.		regard to the languag	rd to the language, this report is based on the international application in the language in which it was filed, unless otherwise under this item.					
		•	report is based on translations from the original language into the following this the language of a translation furnished for the purposes of:					
		international se	arch (Rule 12.3 and 23.1(b))					
		publication of t	publication of the international application (Rule 12.4)					
		international pr	eliminary examination (Rule 55.2 and/or 55.3)					
2.	rece		gard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the g Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to ort):					
		the international appl	e international application as originally filed/furnished					
	\boxtimes	the description:						
		pages 1-11		as originally filed/furnished				
		pages*	received by this Authority on					
		pages*	received by this Authority on					
	\boxtimes	the claims:						
		nos. 4-6		as originally filed/furnished				
		nos.*	as amended (togethe					
		nos.* 1-3	received by this Authority on	14.09.2005				
			received by this Authority on					
	\boxtimes	the drawings:						
		sheets 1/6-6/	6	as originally filed/furnished				
		sheets*	received by this Authority on					
			received by this Authority on					
		a sequence listing and	d/or any related table(s) – see Supplemental Box Relating to Sequence L	isting.				
3.	\boxtimes	The amendments hav	amendments have resulted in the cancellation of:					
		the description.	pages					
		the claims, nos	7					
		the drawings, s	the drawings, sheets/figs					
		the sequence li	sting (specify):					
		any table(s) rel	ated to sequence listing (specify):					
4.			established as if (some of) the amendments annexed to this report and dered to go beyond the disclosure as filed, as indicated in the Supplement					
		the description.	pages					
		the claims, nos	·					
		the drawings, s	heets/figs					
		the sequence li	sting (specify):					
		any table(s) rel	ated to sequence listing (specify):					
*	If ite	n 4 applies, some or a	all of those sheets may be marked "superseded."					

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- 1. Statement
 Novelty (N)
 Claims | 1-6 | YES | NO

 Inventive step (IS)
 Claims | 5 , 6 | YES | Claims | 1-4 | NO

 Industrial applicability (IA)
 Claims | 1-6 | YES | Claims | NO

 Claims | 1-6 | YES | Claims | NO
 NO
- 2. Citations and explanations (Rule 70.7)

Documents cited in the international search report:

Document 1: JP 8-148295 A (Tokyo Electron Ltd.), 7 June 1996

Document 2: JP 8-335568 A (Tokyo Electron Ltd.), 17

December 1996

Document 3: JP 2001-237314 A (Applied Materials Inc.), 31

August 2001 & EP 1094503 A2 & US 6207558 B1

& KR 2001040149 A & SG 92749 A1 & TW 526583

A

Newly cited document:

Document 4: JP 4-188727 A (Mitsubishi Electric Corporation), 7 July 1992, page 2, lower left column, line 4 to lower right column, line 13 (Family: none)

Claims 1 to 4

The plasma leakage prevention body 71 in the plasma processing device shown in document 1 (fig. 2) effectively surrounds the wafer, and, as set forth in document 4, for example, it is a well-known technique to form a member which concentrates plasma only between upper and lower electrodes on the wafer loading table, therefore it would be easy for a person skilled in the

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

art to conceive of the invention set forth in claims 1 to 4 of this application in the light of the invention set forth in document 1.

Claims 5 and 6

Documents 1 to 4 neither disclose nor suggest a feature wherein a member which corresponds to a dam is raised and lowered, and the invention set forth in claims 5 and 6 is neither disclosed nor suggested in documents 1 to 4.